

# MSIP Planning Guide

## Block Schedule Version

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 <b>Mars Image Analysis</b> Engage Part 1 - 2	2 <b>Mars Image Analysis</b> Part 3 - 4	3 <b>Question Mars</b> Introduction Student Worksheet 1 Establish a group topic	4 <b>Question Mars</b> Student Worksheet 2: Making Observations Group observation sharing	5 <b>Question Mars</b> Student Worksheet 3 through "Potential Science Question"	Teacher identify the testable questions.
	6 <b>Question Mars</b> Group vote for final question from presented questions. Student Worksheet 4 - 5	7 <b>Background Research</b> Research and sharing	8 <b>JMARS overview</b> Finalize Student Worksheet 5 Class discussion on procedures/protocol	9 <b>Writing the Proposal</b> Divide work out over groups and combine into one proposal document.	10 <b>Sending the Proposal</b> Send final draft of Proposal to ASU Mars Education Organize data collection groups for experiment	
	11 <b>Data Collection</b>	12 <b>Finalize Data Collection</b>	13 <b>Graphing the Data</b> Discuss the types of graphs needed to answer the question and additional graphs that can be used based on data collected. Graph data once there is a consensus.	14 <b>Answering the Question</b> Break graphs up using differentiation among students. Ask students to make observations of the data and interpret it's meaning. Collect and organize explanations based on type of graph.	15 <b>Answering the Question</b> Student vote on the best explanation for each graph. Divide out jobs for the Final Report.	
	16 <b>Final Report</b> Pull together entire project into written report to submit to ASU Mars Education.	17 <b>Submission and targeting</b> Submit final report and begin discussing areas of interest to target new THEMIS images. Wait to receive a targeting link from ASU Mars Education.				



Indicates computer lab days



Indicates the need for computers based on teacher instructional preference.